7B8

PENTAGRID CONVERTER

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage	6.3□		ac or dc volts
Current	0.3□□		amp

Direct Interelectrode Capacitances:°

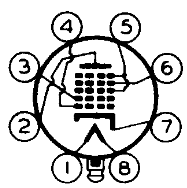
Grid No.4 to All Other Electrodes (RF Input)	10.0		μμf
Plate to All Other Electrodes (Mixer Output)	9.0		μμf
Grid No.1 to All Other Electrodes except Grid No.2 (Osc. Input)	5.0		μμf
Grid No.2 to All Other Electrodes except Grid No.1 (Osc. Output)	3.4		μμf
Grid No.4 to Plate	0.2	max.	μμf
Grid No.4 to Grid No.2	0.2	max.	μμf
Grid No.4 to Grid No.1	0.2	max.	μμf
Grid No.1 to Grid No.2	0.9		μμf

° With external shield connected to cathode.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	8X

Pin 1 - Heater
Pin 2 - Plate
Pin 3 - Grid No.2
Pin 4 - Grid No.1
Pin 5 - Grid No.3, Grid No.5



Pin 6 - Grid No.4
Pin 7 - Cathode
Pin 8 - Heater

Plug - Base Shell

Maximum Ratings and Typical Operating Conditions for the 7B8 are the same as those for Type 6A8

□ Nominal voltage = 7.0 volts.
□□ Nominal current = 0.320 ampere.